Recent Arrastra samples

NEW SITE	NEW SITE DESIG	Date	AGENCY	PH	field Cond.	HARD_MG as CaCO3=	CD_DIS	CU_DIS	FE_TOT	FE_DIS	MN_DIS	PB_DIS	ZN_DIS
Arastra @	A58	8/10/2009	CDPHE	7.97	224.1	96	1	<5	37	<10	3	2	160
Arastra @	A58	10/26/2009	CDPHE	7.88	261.5	120	1.3	<5	<10	<10	<2	2.8	200
Arastra @	A58	4/13/2010	CDPHE	10.23	227	110	0.77	<5	28	17	3	<1	56
Arastra @	A58	7/7/2010	CDPHE	7.73	152.8	56	1	8	<10	<10	<2	1.8	140
						96	1	2.5				2	160
						120	1.3	2.5				2.8	200
						110	0.77	2.5				0.5	56
						56	1	8				1.8	140
						Ave.			85th percentiles				
						95.5	1.165	5.525				2.44	182

	old Cd	Current Cd	Cu	Pb	Zn
stds:	2.16	0.41	8.6	2.39	116

previous temporary modifications, expired 2006
Cu = 9.1 ug/l
Zn = 189

Dissolved Zinc at A68

	Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Yearly Ave.
Ave. dZn 2007-2011	643	687	799	962	475	270	256	269	355	389	485	487	506
85th dZn 2007-2011	725	698	912	1144	582	290	272	307	407	407	580	568	574
Ave. Hardness 2007-2011	164	189	192	159	97	57	80	106	142	148	166	191	141
Table Value Std 2007-2011	190	216	219	185	118	73	99	128	167	174	192	218	165
Actual Std	720	780	1060	1200	760	410	280	340	380	440	510	590	623
Ave. monthly flows 2007-2011 (cfs)	28	25	36	83	356	565	230	94	59	51	32	27	132
dZn Load 2007-2011 lbs/day	98	93	156	430	912	821	318	136	113	107	83	70	278

Dissolved Cadmium at A68

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Yearly Ave.
Ave. dCd 2007-2011	1.98	1.92	2.48	3.64	1.38	0.83	0.95	0.93	1.23	1.21	1.52	1.42	1.62
85th dCd 2007-2011	2.05	1.99	2.87	4.82	1.88	0.90	0.98	1.09	1.41	1.38	1.75	1.73	1.90
Ave. Hardness 2007-2011	164	189	192	159	97	57	80	106	142	148	166	191	141.07
Actual Standard 2007-2011	0.62	0.69	0.69	3.50	2.20	0.28	0.36	0.44	0.55	0.57	0.62	0.69	0.93
Old Cd TVS 2007-2011	3.22	3.58	3.62	3.16	2.19	1.48	1.90	2.34	2.91	3.00	3.25	3.61	2.86
			TVS=	0.6	0.41								
Ave. monthly flows 2007-2011 (cfs)	28	25	36	83	356	565	230	94	59	51	32	27	132.21
dCd Load 2007-2011 lbs/day	0.30	0.26	0.48	1.62	2.66	2.54	1.17	0.47	0.39	0.33	0.26	0.21	0.89